AMENDMENTS TO THE CLAIMS

Please cancel claim 6 without prejudice or disclaimer and amend the claims as follows:

1-4. (Cancelled.)

5. (Previously Presented) The method of manufacturing the glass base material according to claim 7, wherein a thickness of the inner clad layer of the core rod is equal to or larger than 1 mm.

6. (Cancelled.)

7. (Currently Amended)[[:]] A method of manufacturing a glass base material, which includes:

forming a porous glass base material which includes a dopant added core part, and an inner clad layer surrounding said core part and having a lower refractive index than the core part;

transforming said porous glass base material into a clear glass to be provided as a core ingot;

heating and elongating said core ingot in an axial direction in an electric furnace to make a core rod; and

forming an outer clad layer surrounding said core rod by welding a glass tube on an outer surface of the core rod elongated in the electric furnace,

wherein the transformed core ingot has an outer diameter of 70 mm or more,
a ratio of an outer diameter of the core part d to an outer diameter of the inner clad layer D, or d/D, is smaller than 0.21, and

~~wherein a glass tube is welded on an outer surface of the core rod elongated in the electric furnace~~

wherein a heat insulator used for the electric furnace, used in the heating and elongating said core ingot, comprises carbon material containing more than 100 ppm and less than 810 ppm ash.

8. (Currently Amended)[[: The]] A method of manufacturing [[the]] a glass base material ~~according to claim 7~~, said method comprising:

forming a porous glass base material which includes a dopant added core part, and an inner clad layer surrounding said core part and having a lower refractive index than the core part;

transforming said porous glass base material into a clear glass to be provided as a core ingot; and

heating and elongating said core ingot in an axial direction in an electric furnace to make a core rod,

wherein a heat insulator used for the electric furnace, used in the heating and elongating said core ingot, comprises carbon material containing more than 100 ppm and less than 810 ppm ash, and

wherein glass fine particles are deposited on the outer surface of the core rod, which is elongated in the electric furnace, to form a porous glass body, before the porous glass body is transformed into clear glass.

9. (Currently Amended)[[:]] The method of manufacturing the glass base material according to claim 7, wherein the outer surface of the core rod is etched with fluorine, then glass fine particles are deposited to form a porous glass body, and the porous glass body is transformed into clear glass.

10. (Previously Presented) A glass base material made with the method of manufacturing the glass base material according to claim 7.

11-20. (Cancelled.)